



TITLE OF THE INVENTION

METHOD OF MANUFACTURING GRANULATED BODY FOR ABSORBING EXCREMENT OF ANIMALS

BACKGROUND OF THE INVENTION

1. Field of the Invention

[0001] This invention relates to a method of manufacturing a granulated body for absorbing excrement of animals, in which ~~a wood fiber~~ fibers and ~~a dry bamboo fiber~~ fibers are used for granulation as a chief material or ~~a dry bamboo fiber~~ is fibers are used for granulation as a chief material and a water absorbing property is ~~endorsed~~ provided thereto.

2. Related Art

[0002] As shown in patent documents 1 and 2, a granulated body for excrement of animals in which a plurality of granulated bodies obtained by granulating ~~a wood fiber~~ fibers and ~~endorsing~~ providing a water absorbing property thereto are laid in a tray receptacle and subjected to excrement of pet animals such as cats, experimental animals or the like.

[0003] The patent document 1 shows granulated bodies obtained by using ~~a wood fiber~~ fibers as a chief material and selectively mixing inorganic filler, starch, water-absorptive polymer and the like. In order to obtain those granulated materials, a method is employed in which the main material and the mixing material are admixed in a hydraulic state, the resultant is cut and granulated at an outlet port side while extruding the resultant by an extruder. That is, the admixed main material and mixing material, which are in a wet state by water applied thereto, are extrusion molded so as to be granulated. After being granulated, they are dried to form a porous structure which is required for absorbing excrement.

[0004] Also, another method is employed for granulation, in which the main material and the mixing material are admixed in a hydraulic state, and the resultant is rollingly moved on an inner peripheral surface of a rotating cylinder. That is, as in the case with the extrusion

Endors approved 5/15/04



TITLE OF THE INVENTION

METHOD OF MANUFACTURING GRANULATED BODY FOR ABSORBING EXCREMENT OF ANIMALS

BACKGROUND OF THE INVENTION

1. Field of the Invention

[0001] This invention relates to a method of manufacturing a granulated body for absorbing excrement of animals, in which wood fibers and dry bamboo fibers are used for granulation as a chief material or dry bamboo fibers are used for granulation as a chief material and a water absorbing property is provided thereto.

2. Related Art

[0002] As shown in patent documents 1 and 2, a granulated body for excrement of animals in which a plurality of granulated bodies obtained by granulating wood fibers and providing a water absorbing property thereto are laid in a tray receptacle and subjected to excrement of pet animals such as cats, experimental animals or the like.

[0003] The patent document 1 shows granulated bodies obtained by using wood fibers as a chief material and selectively mixing inorganic filler, starch, water-absorptive polymer and the like. In order to obtain those granulated materials, a method is employed in which the main material and the mixing material are admixed in a hydraulic state, the resultant is cut and granulated at an outlet port side while extruding the resultant by an extruder. That is, the admixed main material and mixing material, which are in a wet state by water applied thereto, are extrusion molded so as to be granulated. After being granulated, they are dried to form a porous structure which is required for absorbing excrement.

[0004] Also, another method is employed for granulation, in which the main material and the mixing material are admixed in a hydraulic state, and the resultant is rollingly moved on an inner peripheral surface of a rotating cylinder. That is, as in the case with the extrusion

entry approved 9/15/04